

Chemical industry: Sustainability is growing trend

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Abstracts

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SUMMARY

The global chemical industry has for a long time suffered from being one of the most polluting industries. Now that is changing. Leading players are, for various reasons, seeking to improve sustainability across an industry that produces a vast range of products. Almost every saleable item at some point involves chemicals. Much change is being motivated by consumer demand and government regulation. Chemical manufacturers are having to adapt to the need to produce more substances but at a lower environmental cost and eradicate adverse health implications consumers may experience. Despite being what may appear to be a relatively unmoving industry, chemical makers are devoting enormous resources to making the industry more sustainable on a long-term basis.

KEY HIGHLIGHTS

Whereas in years gone by the development of bio-plastics was heavily limited by the near absence of a commercial market, preventing access to the economies of scale single-use plastics enjoy, that is now changing.

Though the much vaunted electric car sector is growing rapidly, it forms part of ramping demand for advanced battery technology across a range of industries. Due to the highly polluting processes undertaken to extract rare earth elements and other difficult to obtain materials, reducing consumption per battery and extending battery life are key priorities for firms such as BASF.

The need for sustainable means of fulfilling global chemical demand has

become more acute due to extensive environmental damage inflicted on numerous cities, rivers and various habitats. Pollution from chemicals used in the manufacture of textiles in countries such as India - where vast quantities of water has been poisoned and exposure to chemicals has been cited to explain high but localized incidents of cancer in the human population - has caused extensive damage.

SCOPE

Examines the development of bio-plastics

Looks at the sustainability needs of electric car batteries

Assesses how successful companies are in making chemicals more sustainable

Examines how manufacturing processes are improving sustainability

REASONS TO BUY

How are leading companies performing in race to develop bio-plastics?

How are chemical makers developing more sustainable batteries?

Are the big chemical manufacturers making more sustainable chemicals?

Are chemicals becoming more sustainable to produce?

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